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Depolarization of Fluorescence of Solutions for
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B. Ya. Strashnikov, 3 pp.

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On Certain Phenomena, Observable During Deformation of Single Crystals of Antimony, by L. M. Soifer, V. I. Startsev, 3 pp.

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L. M. Fishkova, G. V. Markova, 3 pp.

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by Ye. V. Pyaskovskaya-Pesenkova, 7 pp.

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FTD MCI-1123/1 & 2

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Sep 61

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61-25195

Rubinshtein, A. M., Slovetskaya, K. I., and
Brueva, T. R.

CHEMISORPTION OF ISOPENTANE ON ALUMINA-
CHROMIA-POTASSIA CATALYSTS. [1961] Sp.

Order from ATS \$7.50

ATS-88N48R

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1960,
v. 134, no. 4, p. 836-839.

DESCRIPTORS: *Pentanes, *Catalysts, Cyclopentanes,
Adsorption, Surface properties, Aluminum compounds,
Chromium compounds, Potassium compounds, Oxides.

1. Title: Chemisorption
- I. Rubinshtein, A. M.
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Orange, N. J.

also OTS 61-18599

185217

Office of Technical Services

(Chemistry--Physical, TT, v. 6, no. 8)

Entelis, S.G., Korovina, G.V. and Chirkov, N.M.
THERMODYNAMIQUE DE L'ADSORPTION DE PROPYLENE PAR LE SYSTEME $H_2SO_4 - H_2O$ (Termodinamika Adsorbitsii Propilena Sistemol $H_2SO_4 - H_2O$)
(The Thermodynamics of Propylene Adsorption by the $H_2SO_4 - H_2O$ system) 16p. (Foreign text included)
12 refs. CNRS-VIII bis 622
Order from OTS, ETC or CNRS \$0.80 TT-62-28288

Trans. in French of Akademiya Nauk SSSR Doklady,
1960, v. 134, no. 4, p. 856-859.

DESCRIPTORS: Sulfuric acid, Water *Propenes, Adsorption, Thermodynamics.

(Chemistry--Physical, TT, v. 11, no. 6)

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Kinetic Isotope Effects of Fission in the Liquid-Phase
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Chemical Displacement of the Nuclear Magnetic
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The Temperature Dependence of the Separation
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JPRS 6913

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Changes in the Absorption Spectrum of the
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in the Tubers, by B. I. Bershtein, Yu. A.
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On Homing Geometry of Unitary Cubes, by
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(NY-5659)

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A. A. Barmin, V. V. Gogosov, 9 pp.

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JPRS 7787

AIP

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Vol V, 1961, 981

Sci - Phys
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(NY-5659)

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I. P. Stakhanov, Ye. V. Stupachenko, 9 pp.

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JPRS 7788

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Vol V, No 142, 001

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JPRS 7789

Sci - Phys
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POLYMERIZATION OF ACETONE. tr. by I. Gawronska.
9 Mar 61. 4p. 8 refs. Courtaulds Misc. Lit. 3282;
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Order from OTS or SLA \$1.10 61-27645

Trans. of Akademiya Nauk SSSR, Doklady, 1960,
v. 134, no. 5, p. 1098-1099.

DESCRIPTORS: *Polymerization, *Acetones.

This investigation of acetone polymerization indicates that by applying the principle of preliminary orientation of monomer molecules in the reaction system it is possible to polymerize substances, which do not polymerize under normal conditions. In this case the orientation was obtained by crystallization of the monomer. The conditions, favouring kinetically the formation of polymer chains from the oriented monomer molecules, (Chemistry: -Organic, TT, v. 6, no. 11) (over)

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V. Courtaulds Ltd.
(Gl. Brit.)

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Office of Technical Services

The Intensity of the Infrared Absorption of the
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Polarity of the C=O Bond, by Yu. G. Borod'ko,
Ya. K. Syrkin, 4 pp.

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in the Carbonyl Infrared Band of Ketones, by G.
S. Denisov, 4 pp.

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Negative Substituents in the Inner Ring at the
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Conduction as Related to the Composition of Solid
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COMBUSTION (Burning Capacity of Protective Explosi-
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Order from CTS, ETC or CNRS \$0.85 TT-62-26380

Trans. in French of Akademiya Nauk SSSR, Doklady,
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DESCRIPTORS: *Explosive materials, Combustion.

(Materials, TT, v. 11, no. 6)

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- I. Andreev, K.K.
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Dzhabarova, Kh. S.
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Order from ATS \$6.00 ATS-21NSOR

Trans. of Akademiya Nauk SSSR, Doklady, 1960,
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DESCRIPTORS: *Plants, USSR.

(Biological Sciences--Botany, TT, v. 6, no. 1)

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- I. Dzhabarova, Kh. S.
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ATS-RJ-2825

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Office of Technical Services

Production of Polyploids in Species of Wild Potatoes:
Solanum Bulbocastanum Dun., Solanum Cardiophyllum
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ABSTRACT, part, Dok Ak Nauk SSSR, Vol. CXXIV, No 5,
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FLUORESCENCE IN GREEN PHOTOSYNTHESIZING
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1. Plant pigments--Properties
 2. Bacteria--Luminescence
 3. Photosynthesis--Analysis
 4. Title: Bacterioviridin
- I. Krasnovskiy, A. A.
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(Biological Sciences--Microbiology. TT, v. 5, no. 5)

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